

Title (en)

EXTERNAL LOAD MANAGEMENT FUNCTIONS FOR VERTICAL TAKE-OFF AND LANDING AIRCRAFT

Title (de)

AUSSENLASTVERWALTUNGSFUNKTIONEN FÜR EIN SENKRECHT STARTENDES UND LANDENDES FLUGZEUG

Title (fr)

FONCTIONS DE GESTION DE CHARGE EXTERNE POUR AÉRONEF À DÉCOLLAGE ET ATERRISSAGE VERTICAUX

Publication

EP 3283847 A4 20181031 (EN)

Application

EP 16780455 A 20160401

Priority

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- US 2016025549 W 20160401

Abstract (en)

[origin: WO2016167988A1] According to an aspect, a system in an aircraft includes a vehicle management system (VMS) and a load control system (LCS). The LCS includes an LCS processor operable to receive and transmit a plurality of data and load management commands to one or more of: the VMS and a load control interface. The LCS processor is further operable to interact with one or more of: the VMS, one or more LCS sensors, and a load capturing interface of the aircraft to execute the load management commands as a sequence of one or more load management subcommands. The load capturing interface is operable to capture and release an external load relative to the aircraft using a load capture device. The LCS processor is also operable to report a status of execution of the load management commands to the VMS and the load control interface.

IPC 8 full level

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CPC (source: EP US)

B64C 27/04 (2013.01 - EP US); **B64C 29/00** (2013.01 - EP US); **B64D 1/02** (2013.01 - EP US); **B64D 1/22** (2013.01 - EP US); **G05D 1/0858** (2024.01 - EP US); **B64U 10/17** (2023.01 - EP US); **B64U 2101/30** (2023.01 - US); **B64U 2101/64** (2023.01 - EP US); **B64U 2201/10** (2023.01 - EP US); **B64U 2201/20** (2023.01 - EP US)

Citation (search report)

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Designated contracting state (EPC)

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